JVC

SERVICE MANUAL

HOME CINEMA DD SPEAKER SYSTEM

SX-XD33

Area Suffix

E --- Continental Europe

SX-XDS33 SX-XDS33 SX-XDC33 SX-XDS33 SX-XDS33

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No.21181
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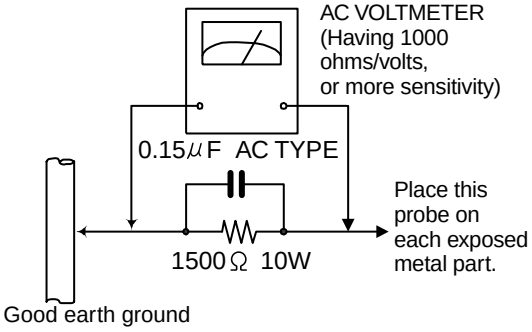
Safety Precautions

1. This design of this product contains special hardware and many circuits and components specially for safety purposes. For continued protection, no changes should be made to the original design unless authorized in writing by the manufacturer. Replacement parts must be identical to those used in the original circuits. Services should be performed by qualified personnel only.
2. Alterations of the design or circuitry of the product should not be made. Any design alterations of the product should not be made. Any design alterations or additions will void the manufacturer`s warranty and will further relieve the manufacture of responsibility for personal injury or property damage resulting therefrom.
3. Many electrical and mechanical parts in the products have special safety-related characteristics. These characteristics are often not evident from visual inspection nor can the protection afforded by them necessarily be obtained by using replacement components rated for higher voltage, wattage, etc. Replacement parts which have these special safety characteristics are identified in the Parts List of Service Manual. Electrical components having such features are identified by shading on the schematics and by (⚠) on the Parts List in the Service Manual. The use of a substitute replacement which does not have the same safety characteristics as the recommended replacement parts shown in the Parts List of Service Manual may create shock, fire, or other hazards.
4. The leads in the products are routed and dressed with ties, clamps, tubings, barriers and the like to be separated from live parts, high temperature parts, moving parts and/or sharp edges for the prevention of electric shock and fire hazard. When service is required, the original lead routing and dress should be observed, and it should be confirmed that they have been returned to normal, after re-assembling.
5. Leakage current check (Electrical shock hazard testing)
   After re-assembling the product, always perform an isolation check on the exposed metal parts of the product (antenna terminals, knobs, metal cabinet, screw heads, headphone jack, control shafts, etc.) to be sure the product is safe to operate without danger of electrical shock.
   Do not use a line isolation transformer during this check.
   - Plug the AC line cord directly into the AC outlet. Using a "Leakage Current Tester", measure the leakage current from each exposed metal parts of the cabinet, particularly any exposed metal part having a return path to the chassis, to a known good earth ground. Any leakage current must not exceed 0.5mA AC (r.m.s.).
   - Alternate check method
     Plug the AC line cord directly into the AC outlet. Use an AC voltmeter having, 1,000 ohms per volt or more sensitivity in the following manner. Connect a 1,500Ω 10W resistor paralleled by a 0.15μF AC-type capacitor between an exposed metal part and a known good earth ground. Measure the AC voltage across the resistor with the AC voltmeter.
     Move the resistor connection to each exposed metal part, particularly any exposed metal part having a return path to the chassis, and measure the AC voltage across the resistor. Now, reverse plug in the AC outlet and repeat each measurement. Voltage measured any must not exceed 0.75 V AC (r.m.s.). This corresponds to 0.5 mA AC (r.m.s.).



Warning

1. This equipment has been designed and manufactured to meet international safety standards.
2. It is the legal responsibility of the repairer to ensure that these safety standards are maintained.
3. Repairs must be made in accordance with the relevant safety standards.
4. It is essential that safety critical components are replaced by approved parts.
5. If mains voltage selector is provided, check setting for local voltage.

⚠ CAUTION

Burrs formed during molding may be left over on some parts of the chassis. Therefore, pay attention to such burrs in the case of preforming repair of this system.

In regard with component parts appearing on the silk-screen printed side (parts side) of the PWB diagrams, the parts that are printed over with black such as the resistor (▬), diode (▬) and ICP (●) or identified by the "⚠" mark nearby are critical for safety.

(This regulation does not correspond to J and C version.)

Disassembly method

■ Removing the cabinet

(See Fig.1~ 3)

1. Remove the screw marked **A** attaching the cabinet to the stand.
2. Up life the cabinet just enough to disconnect the speaker harness from the speaker terminal.
3. Remove the connection of the speaker harness at the speaker terminal of the cabinet.
4. Remove the cabinet from the cabinet stand completely.

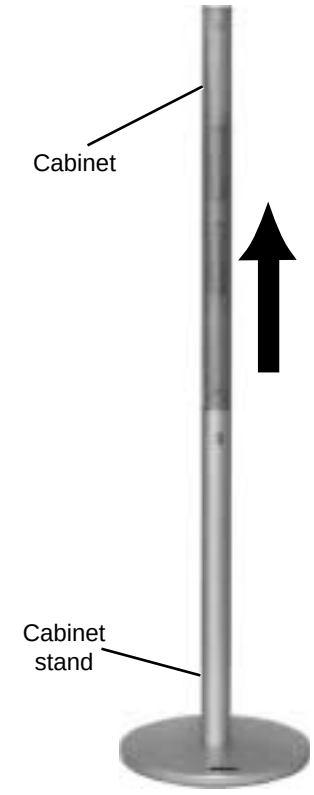


Fig.1

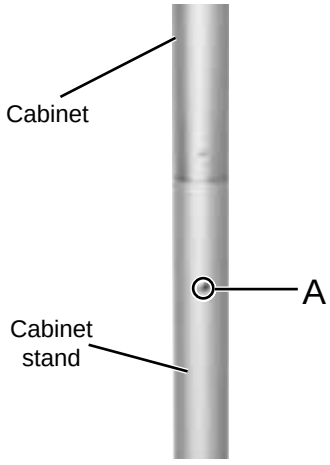


Fig.2

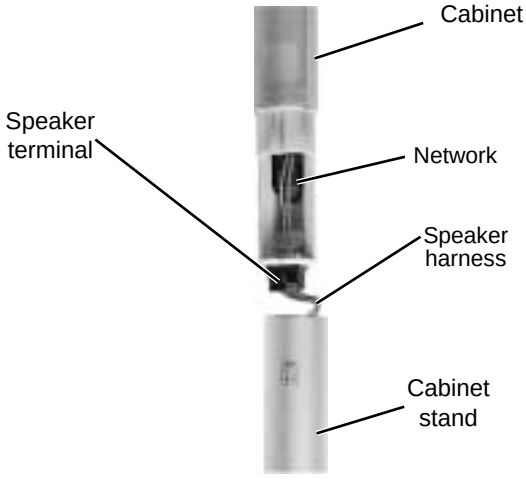


Fig.3

■ Removing the satellite speaker (See Fig.4~6)

- Prior to performing the following procedures, remove the cabinet.

1. Remove the screw marked **A** attaching the net to the cabinet.
2. By using tweezers and like which is inserted through the hole of the net, remove the couple-face adhesive tape holding the net to the cabinet.
3. Remove the eight screws marked **B** attaching the speaker to the cabinet.
4. Pull out the speaker from the cabinet toward you.
5. Remove the speaker harness from the speaker terminal.

Note: When it is hard to remove the net, insert a tweezers, etc. Exercise care not to damage the cabinet and the speaker when inserting the tweezers and the like. For this purpose, insert cloth together with tweezers and the like.
Remove the holder of the net carefully because the net is pinned on the cabinet with glue.
Please apply a small amount of glue to the boss of the net on the occasion of attachment.

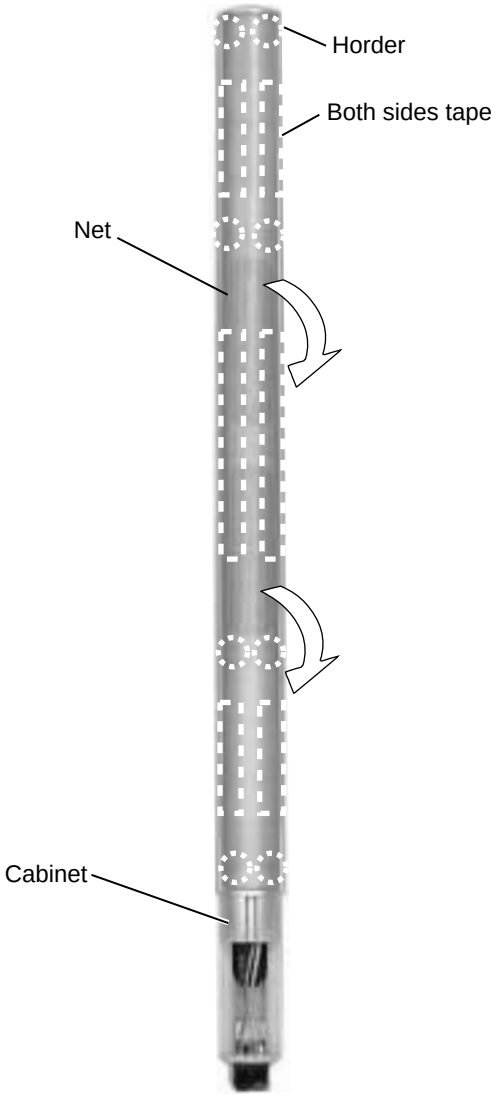


Fig.4

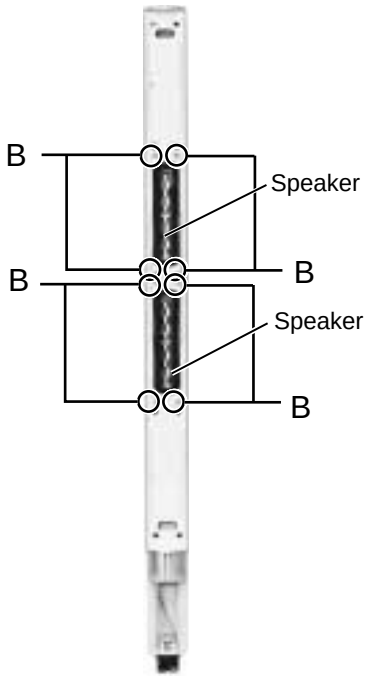


Fig.5

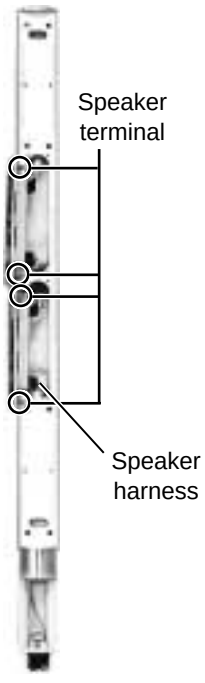


Fig.6

■Removing the cabinet stand

(See Fig.7~9)

・ Prior to performing the following procedures, remove the cabinet.

1. Remove the screw marked **C** attaching the speaker terminal cover.
2. Remove the speaker terminal cover**.**
3. Remove the speaker harness from the speaker terminal.
4. Remove the speaker harness from the cabinet base cover.
5. Remove the three screws marked **D** attaching the cabinet stand to the cabinet base cover.
6. Remove the cabinet bracket from the cabinet base cover.
7. Remove the cabinet stand from the cabinet base cover.

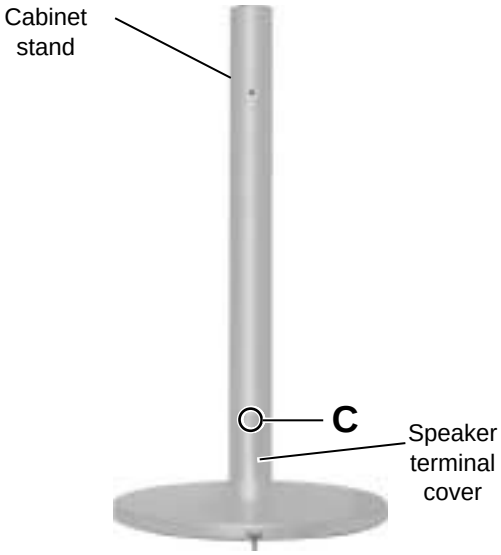


Fig.7

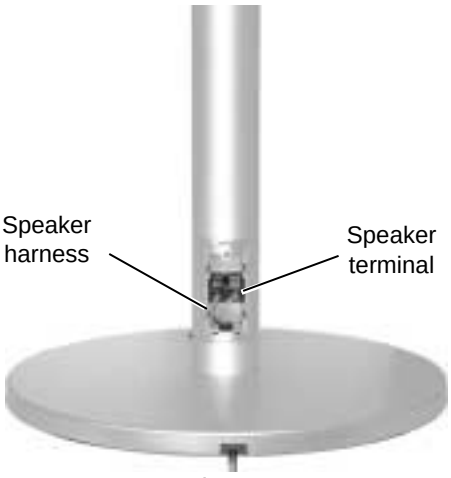


Fig.8

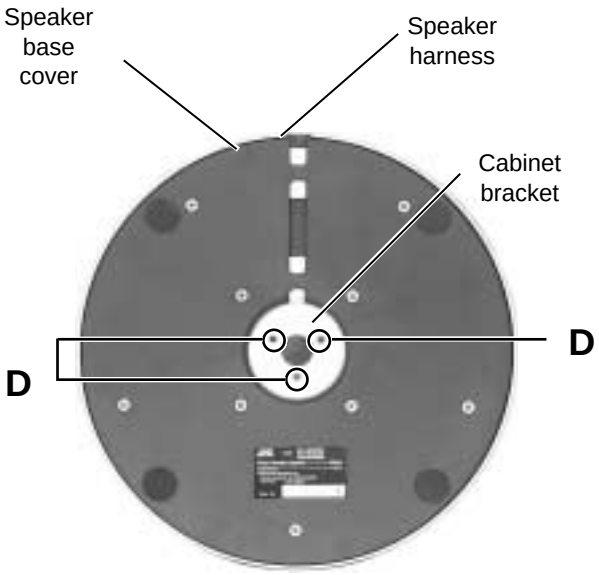


Fig.9

■ Removing the center speaker

(See Fig.10~12)

1. By using tweezers and like which is inserted through the hole of the net, remove the couple-face adhesive tape holding the net to the cabinet. After removing the couple-face adhesive tape, remove the center net from the center cabinet.

2. Remove the eight screws marked **F** attaching the center speaker to the center cabinet.

3. Pull out the center speaker from the center cabinet.

4. Remove the speaker harness from the speaker terminal.

   Note: When it is hard to remove the net, insert tweezers, etc. Exercise care not to damage the cabinet and the speaker when inserting the tweezers and the like. For this purpose, insert the cloth together with tweezers and the like.
   Remove the holder of the net carefully because net is pinned on the cabinet with glue.
   Please apply a small amount of glue to the boss of the net on the occasion of attachment.

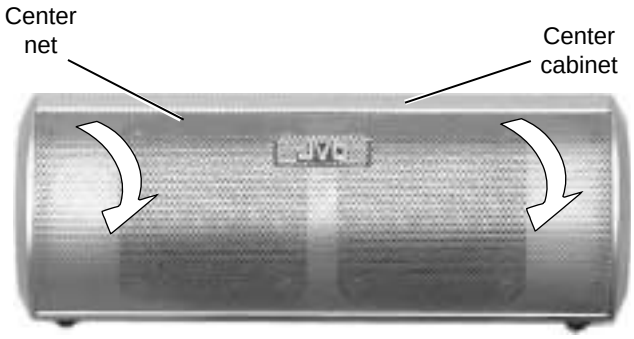


Fig.10

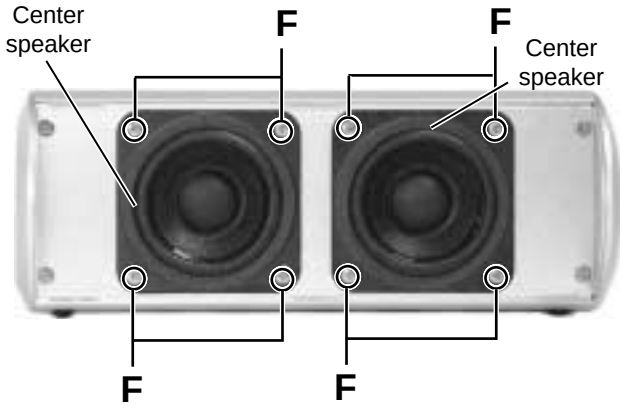


Fig.11

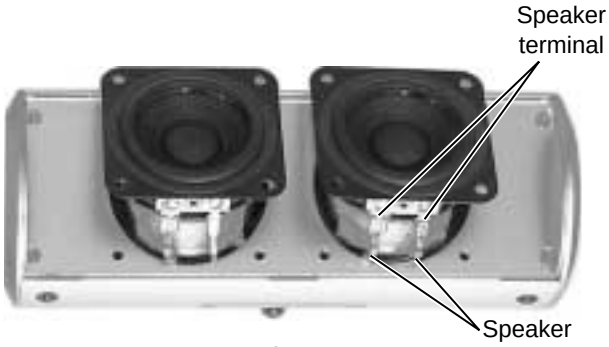


Fig.12

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